

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	12	209/417 and rake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 10:22
S2	3	209/223.1 and rake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 09:55
S3	26	("3377641"   "3646492"   "4087879"   "4407038"   "4904376"   "5395148"   "5408818"   "6113169"   "6142310"   "6158792"   "6669024").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 11:32
S4	5	("2663987"   "4189908").PN. OR ("5408818").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 09:57
S5	3	209/636 and magnetic and rake	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 09:58
S6	3	209/636 and magnet and rake	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 09:58
S7	2	209/213 and (magnets or magnetic) and rake	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 09:59
S8	0	56/342 and (magnetic or magnet) and rake	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 09:59
S9	15	56/342 and rake	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 09:59
S10	431	magnetic and (sifter or rake) and teeth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 10:01
S11	16	S10 and "209"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 10:01
S12	3	56/400.04 and magnetic and rake	US-PGPUB;	OR	ON	2005/08/23

			USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB			10:13
S13	7	294/65.5 and magnetic and rake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 10:10
S14	0	56/400.04 and magnetic and sifter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 10:13
S15	248	"56"/\$.ccls. and rake and triangular and (teeth or tines)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 11:34
S16	0	S15 and handheld	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 11:34
S17	11	S15 and hand adj held	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 11:34
S18	5	S3 and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 11:45
S19	0	S9 and aluminum and (teeth or tines or protrusions)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 13:18
S20	263	rake with aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 13:18
S21	1	rake with aluminum near teeth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/23 13:19
S22	5	rake with aluminum near3 teeth	US-PGPUB;	OR	ON	2005/08/23

			USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB			13:19
S23	0	209/419 and magnetic and rake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:22
S24	1	209/419 and magnetic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:22
S25	2	209/417 and magnetic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:23
S26	3	209/418 and magnetic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/04 15:23
S27	18	magnetic adj rake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 17:18
S28	32	("2417762"   "2426795"   "2648434"   "2654480"   "2693279"   "2709002"   "2970003"   "3014586"   "3206783"   "3343675"   "3377641"   "3646492"   "4407038").PN. OR ("5395148").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/04 15:24
S29	33	("2417762"   "2426795"   "2648434"   "2654480"   "2693279"   "2709002"   "2970003"   "3014586"   "3206783"   "3343675"   "3377641"   "3646492"   "4407038").PN. OR ("5395148").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 18:09
S31	2	magnetic adj rake and (toothed or teeth)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 18:09
S33	42	rake with magnetic and (teeth or toothed)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 18:11
S34	14	magnetic adj rake	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/31 18:11
S35	2	("2056906").URPN.	USPAT	OR	ON	2006/07/31 18:14
S38	4	56/400.01 and magnetic and rake	US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	ON	2006/08/02 11:47

			DERWENT; IBM_TDB			
S39	17	"56"/\$.ccls. and magnetic and rake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/31 18:25
S40	3	"209"/\$.ccls. and toothed adj rake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 11:48
S41	30	"209"/\$.ccls. and (toothed or teeth or spiked or spike) near3 rake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 11:49
S42	95	"209"/\$.ccls. and rake and teeth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 11:49
S43	5	S42 and handle and sleeve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 11:50
S44	25	S42 and handle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 11:52
S45	8	294/65.5 and rake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 11:55
S46	396	56/400.01	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 11:57
S47	39	171/19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 11:58
S48	605	414/737.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO;	OR	ON	2006/08/02 11:58

			DERWENT; IBM_TDB			
S49	0	S48 and rake and handle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 11:58
S50	1	S48 and rake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 11:58
S51	39	rake and handle and teeth and sleeve and magnet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 12:02
S52	655	rake and handle and teeth and sleeve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 12:04
S53	35	S51 and (manual or hand)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 12:02
S54	170	"56"/\$.cls. and rake and teeth and hollow	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 12:04
S55	14	("1678695"   "3440810"   "4224786"   "4741150").PN. OR ("5179825").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/02 12:05
S56	50716	rake	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 14:45
S57	790	rake with handle and teeth	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 15:04
S58	2	rake and pull adj ring and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 15:04
S59	490	rake and handle and switch and battery	US-PGPUB;	OR	ON	2006/08/02

			USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB			15:05
S60	225	S59 and (magnets or electromagnets)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 15:27
S61	180	56//400.19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 15:28
S62	180	56/400.19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 15:28
S63	153	S62 and handle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 17:23
S64	0	S63 and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 15:31
S65	16	"56"/\$.ccls. and rake and handle and battery	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 15:31
S66	20	("0555546"   "0966855"   "1137492"   "1831393"   "2226287"   "2827168"   "3377641").PN. OR ("4017386").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/02 15:43
S69	227	rod with pull adj ring	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/02 15:44
S70	0	vernon and barrier and rake and pull adj ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 17:18
S71	0	barrier and rake and pull adj ring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 17:18
S72	0	vernon and rake and pull adj ring	US-PGPUB;	OR	ON	2006/08/02

			USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB			17:19
S73	3	vernon and rake and magnets	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 17:19
S74	180	56/400.19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 17:23
S75	0	S74 and handle and (magnetic or magnets or electomagnets or electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 17:23
S76	176	"56"/\$.cls. and handle and (magnetic or magnets or electomagnets or electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 17:25
S77	946	rake and handle and (magnetic or magnets or electomagnets or electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 17:25
S78	45	hand with rake and handle and (magnetic or magnets or electomagnets or electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 17:25
S79	78694	"209"/\$.cls. rake and handle and (magnetic or magnets or electomagnets or electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 17:26
S80	8904	"171"/.cls. rake and handle and (magnetic or magnets or electomagnets or electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 17:26
S81	26	"209"/\$.cls. and rake and handle and (magnetic or magnets or electomagnets or electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 17:26
S82	0	"171"/.cls. and rake and handle and	US-PGPUB;	OR	ON	2006/08/02

		(magnetic or magnets or electromagnets or electromagnetic)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB			17:26
S83	17	(US-5979957-\$ or US-5395148-\$ or US-2056906-\$ or US-5408818-\$ or US-4291430-\$ or US-5429402-\$ or US-6009697-\$ or US-6142310-\$ or US-6113169-\$ or US-5179825-\$ or US-4741150-\$ or US-5927057-\$ or US-D458095-\$ or US-4017386-\$ or US-4828690-\$).did. or (US-3108426-\$).did. or (US-6158792-\$).did.	USPAT; USOCR; DERWENT	OR	ON	2006/08/02 18:07
S84	6	S83 and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/02 18:08

EAST Search History (I nterference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24	("1927873"   "3108426"   "5979957"   "3646492"   "2056906"   "3377641"   "4087879"   "4904376"   "6113169"   "6669024"   "5408818"   "4017386"   "4828690"   "4291430"   "6009697"   "5429402"   "4407038"   "6158792"   "4741150"   "5927057"   "D458095"   "5395148"   "5408818"   "6142310"   "5179825").PN.	US-PGPUB; USPAT; UPAD	OR	OFF	2011/12/13 17:05
L2	2	1 and hollow with rake	US-PGPUB; USPAT; UPAD	OR	OFF	2011/12/13 17:06
L3	1	1 and toothed with (rake or body or construction)	US-PGPUB; USPAT; UPAD	OR	OFF	2011/12/13 17:06
L4	0	(2 and 3)	US-PGPUB; USPAT; UPAD	OR	OFF	2011/12/13 17:06
L5	0	209/213,223.1 and (toothed or hollow) adj (rake or scoop or shovel)	US-PGPUB; USPAT; UPAD	OR	OFF	2011/12/13 17:07
L6	4	209/417,418,419,420,636.ccls. and (toothed or hollow) adj (rake or scoop or shovel)	US-PGPUB; USPAT; UPAD	OR	OFF	2011/12/13 17:07
L7	2	6 and toothed with (rake or body)	US-PGPUB; USPAT; UPAD	OR	OFF	2011/12/13 17:07
L8	2	6 and hollow with (rake or body)	US-PGPUB;	OR	OFF	2011/12/13 17:07



			USPAT; UPAD			
L9	2	(7 and 8)	US- PGPUB; USPAT; UPAD	OR	OFF	2011/12/13 17:08
L10	2	9 and magnet	US- PGPUB; USPAT; UPAD	OR	OFF	2011/12/13 17:08
L11	2	magnet adj (rake or scoop or shovel) and hollow with (rake or body or frame)	US- PGPUB; USPAT; UPAD	OR	OFF	2011/12/13 17:08
L12	8	unitarily adj formed with (rake or scoop or shovel)	US- PGPUB; USPAT; UPAD	OR	OFF	2011/12/13 17:09
L13	2	12 and magnet	US- PGPUB; USPAT; UPAD	OR	OFF	2011/12/13 17:09
L14	4	12 and (teeth or toothed or spiked)	US- PGPUB; USPAT; UPAD	OR	OFF	2011/12/13 17:09

**12/ 13/ 2011 5:10:13 PM**  
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